

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An audio system for use with a personal computer, the audio system comprising:
 - a first voltage supply;
 - a first switch;
 - a second voltage supply;
 - a second switch coupled to the second voltage supply and to a jack-sense indicator;
 - an audio amplifier;
 - means for connecting a first speaker to the audio amplifier;
 - a jack for coupling a second speaker to the audio amplifier;
 - a jack-sense line including the jack-sense indicator coupled to the jack, the jack-sense line assuming a first condition when a speaker is connected to the jack and assuming a second condition when a speaker is not connected to the jack; and
 - ~~a the second switch coupled to the first voltage supply, to the second voltage supply, and to the audio amplifier, wherein the switch operates in response to the first condition of the jack-sense line to couple the first voltage supply to the audio amplifier and operates in response to the second condition of the jack-sense line to couple the second voltage supply to the audio amplifier~~ whereby, when the jack-sense indicator determines that the second speaker is connected to the jack, the second switch is actuated to switch voltage from the first voltage supply to the second voltage supply.
2. (Cancelled).

3. (Cancelled).
4. (Cancelled).
5. (Cancelled).
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Cancelled).
10. (Currently Amended) An audio system as defined in Claim 9, wherein the first voltage supply is a ~~low-current~~ high-current, regulated supply.
11. (Currently Amended) An audio system as defined in Claim 9, wherein the second voltage supply is a ~~high-current~~ low-current supply.
12. (Currently Amended) A personal computer system comprising an audio system, the audio system comprising:
 - a voltage supply subsystem having a ~~first-output~~ voltage supply and a ~~second-output~~ voltage supply;
 - an amplifier subsystem having a first stage with a noninverting output and a second stage with an inverting output;

a first speaker coupled between the inverting output and the noninverting output;

a jack coupled to an amplifier output for a second speaker;

~~a mode switch coupled to the voltage supply subsystem and to the power amplifier subsystem; and~~

a first switch and a second switch, the second switch being coupled to the second voltage supply and to a jack-sense indicator; and

a jack-sense line including the jack-sense indicator coupled between the jack and the mode switch to cause the audio system to operate in a single-ended mode when the second speaker is coupled to the jack and in a bridged mode when the second speaker is not coupled to the jack, whereby, when the jack-sense indicator determines that the second speaker is connected to the jack, the second switch is actuated to switch voltage from the first voltage supply to the second voltage supply.

13. (Cancelled).

14. (Cancelled).

15. (Currently Amended) A personal computer system as defined in Claim [[14]] 12, wherein the first voltage supply is a low-current supply and the second voltage supply is a high-current 3 supply.

16. (Currently Amended) An apparatus comprising:

a personal computer chassis having a connector for a primary speaker ~~system-speakers~~ and a jack for a secondary-speakers speaker ~~system-speakers~~ system;

an audio amplifier system including an audio amplifier enclosed within the computer chassis;

a jack-sense indicator coupled between the jack and the audio amplifier system, wherein the jack-sense indicator is operable to provide a first indication when the secondary speaker system connected to the jack and a second indication when the secondary speaker system is not connected in the jack;

a dual-mode voltage supply comprising a first voltage source and a second voltage source; and

~~a first switch coupled to the dual-mode voltage supply and to the jack-sense indicator for coupling the first voltage source to the audio amplifier when the secondary speaker system is connected to the jack and for coupling the second voltage source to the audio amplifier when the secondary speaker system is not connected to the jack and a second switch, the second switch coupled to the second voltage supply and to the jack-sense indicator, whereby, when the jack-sense indicator determines that the secondary speaker system is connected to the jack, the second switch is actuated to switch voltage from the first voltage supply to the second voltage supply.~~

17. (Original) An apparatus as defined in Claim 16, wherein the audio amplifier includes an inverting stage having an inverting output and a noninverting stage having a noninverting output and wherein the connector is coupled between the inverting output and the noninverting output and the jack is connected between (i) either the inverting output or the noninverting output and (ii) GND.
18. (Cancelled).

19. (Currently Amended) An apparatus as defined in Claim 18, wherein the first voltage source is a ~~low-current~~ high-current voltage source and the second voltage source is a high-current voltage source.
20. (Currently Amended) An apparatus as defined in Claim 19, wherein ~~first~~ second voltage source is a regulated voltage source and the ~~second~~ first voltage source is an unregulated voltage source.
21. (Currently Amended) An apparatus as defined in Claim 20, wherein the ~~first~~ second voltage source is derived from the ~~second~~ first voltage source.
22. (Currently Amended) In a personal computer, a method of supplying power to an audio amplifier, the method comprising:
 - providing a voltage supply system that includes a first voltage source and a second voltage source;
 - ~~detecting whether an ancillary audio apparatus is connected to the personal computer; and~~
 - ~~coupling the first voltage source to the audio amplifier when the ancillary audio apparatus is connected to the personal computer and coupling the second voltage source to the audio amplifier when the ancillary audio apparatus is not connected to the personal computer.~~
 - providing a jack;
 - providing a first speaker and a second speaker;
 - providing a first switch; and
 - providing a second switch coupled to the second voltage source and to a jack-sense indicator, whereby when the jack-sense indicator determines that the second speaker is connected to the jack, the second switch is

actuated to switch voltage from the first voltage source to the second voltage source.

- 23. (Cancelled).
- 24. (Cancelled).
- 25. (Cancelled).
- 26. (Cancelled).
- 27. (Cancelled).
- 28. (Cancelled).
- 29. (Cancelled).
- 30. (Cancelled).
- 31. (Cancelled).
- 32. (Cancelled).
- 33. (Cancelled).
- 34. (Cancelled).
- 35. (Cancelled).

36. (Cancelled).

37. (Cancelled).

38. (Cancelled).

39. (Cancelled).